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JUN 0 3 2005 &

PATENT Attorney Docket No. LEX-010C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Gillies et al.

CONFIRMATION NO.:

8576

SERIAL NO.:

10/603,064

GROUP NO.:

1646

FILING DATE:

June 24, 2003

EXAMINER:

Mertz, P.

TITLE:

Multiple Cytokine Protein Complexes

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 1st day of June, 2005.

Lisa Marie Solis

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

- 1. Transmittal Form (1 page);
- 2. Supplemental Information Disclosure Statement (2 pages);
- 3. Form PTO 1449 (4 pages);
- 4. Copy of cited references B82-B87 and C219-C259; and
- 5. Return receipt postcard.

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7	0.2 MB		Application	Serial Number	T	10/603	,064
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☐ F	Fee Transmittal Form		Copy of Notice Parts of Applic	e to File Missing cation]	Notice of Appeal to Board of Patent Appeals and Interferences
	☐ Check Attached☐ Copy of Fee Transmittal Form		Formal Drawin	ng(s)]	Appeal Brief (in triplicate)
	Amendment/Response		Request For C Examination (]	Status Inquiry
	☐ Preliminary☐ After Final☐ Affidavits/declaration(s)	Transmittal Power of Atto		nev			Return Receipt Postcard
	Letter to Official Draftsperson including Drawings		(Revocation of Prior Powers)]	Certificate of First Class Mailing under 37 C.F.R. 1.8
	[Total Sheets]		Terminal Disc	laimer]	Certificate of Facsimile Transmission under 37 C.F.R. 1.8
	Petition for Extension of Time			or Utility or Design]	Additional Enclosure(s) (please identify below)
⊠	Supplemental Information Disclosure Statement		Small Entity Statement				
	✓ Form PTO-1449✓ Copies of IDSCitations B82-B87 andC219-C259		CD(s) for large table or computer program				
	Certified Copy of Priority Document(s)		Amendment After Allowance				
Sequence Listing submission Paper Copy/CD Computer Readable Copy Statement verifying identity of above			Request for Certificate of Correction Certificate of Correction (in duplicate)				
COR	RESPONDENCE ADDRESS			SIGNATURE BL	oc	K	Decreatfully submitted
Kirkpatrio Graham 75 State S Boston, N Tel. No.:		LLP	hart Nicholson -1808 -3100	Date: June, 200: Reg. No. 48,645 Tel. No.: (617) 261- Fax No.: (617) 261-			Respectfully submitted, Brian A. Fairchild Attorney for Applicants Kirkpatrick & Lockhart Nicholson Graham LLP 75 State Street Boston, MA 02109-1808



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Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the non-U.S. patent documents and non-patent publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1)	within three (3) months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the first Office action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. 1.114; or
(2)	after the period defined in (1) above but before the mailing date of any of a final action under 37 C.F.R. 1.113, a notice of allowance under 37 C.F.R. 1.311, or an action that otherwise closes prosecution in the application, and
	the requisite Statement is below, OR
	the requisite fee under 37 C.F.R. 1.17(p), namely \$180.00, is included herein; or

Date: June 1, 2005 Reg. No. 48,645

Tel. No.: (617) 261-3169 Fax No.: (617) 261-3175

BOS-867680 v1

Brian A. Fairchild

Attorney for Applicants

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Graham LLP 75 State Street

Boston, Massachusetts 02109-1808

JUN 0 3 2005

FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: LEX-010C1

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10/603,064

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U.S.	PATE	NT DO	CUMENTS
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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A100	4,732,683	3/22/88	Georgiades et al.			
	A101	4,737,462	4/12/88	Mark et al.			
	A102	5,082,658	1/21/92	Palladino			
	A103	5,091,513	2/25/92	Huston et al.			
	A104	5,399,346	3/21/95	Anderson et al.			
	A105	5,428,130	6/27/95	Capon et al.			
	A106	5,795,779	8/18/98	McCormick			
	A107	5,827,703	10/27/98	Debs et al.			
	A108	6,627,615	9/30/03	Debs et al.			
	A109	2004/0180035	9/16/04	Gillies et al.			
-	A110	2004/0180386	9/16/04	Carr et al.			
	A111	2004/0203100	10/04/04	Gillies et al.			

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B82	0 428 596 B1	4/17/96	ЕР					Y
	B83	0 433 827 B1	3/4/98	EP					Y
	B84	WO 92/10755	6/25/92	PCT					Y
	B85	WO 94/25609	11/10/94	PCT					
	B86	WO 98/52976	11/26/98	PCT					. —
	B87	WO 02/074783		PCT		 			Y
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EXAMINER

DATE CONSIDERED

FORM	PTO - 1	449	ATTORNEY DOCKET NO.: LEX-010C1				
INFOR	MATIO	N DISCLOSURE STATEMENT	APPLICANT(S):	Gillies et al.			
			SERIAL NO.:	10/603,064			
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		OTHER ART, JOU	RNAL ARTICLES, ETC.				
EXAM. INIT.	отнеі	R DOCUMENTS: (Including Author, Title, Da	e, Relevant Pages, Place of Publicat	ion)			
_	C219	Anderson et al., (1994), "Effects of Ro Interleukin-2," Clin. Pharmacokinet., 2		al Pharmacokinetics of			
	C220	Barbulescu et al., (1998), "IL-12 and IL-18 IFN-γ Promoter in Primary CD4+ T Lympl	· ·	•			
	C221	Benacerraf et al., (1959), "The Clearance of Endothelial System," J. Immunol., 82:131-	of Antigen Antibody Complexes from the Blood by the Reticulo-7. unctional Chimaeric Mouse/Human Antibody," Nature, 312:643-6.				
	C222	Boulianne et al., (1984), "Production of Fu					
	C223	Bubenik et al., (1995), "Interleukin-2 Gene Cyclophosphamide Pretreatment," <u>J. Cance</u>	e Therapy of Residual EL-4 Leukaemia Potentiates the Effect of er Res. Clin. Oncol., 121:39-43.				
	C224	Chan et al., (1992), "Mechanisms of IFN-γ Role of Transcription and mRNA Stability 148:92-98.					
	C225	Cohen et al., (1998), "An Artificial Cell-C Acad. Sci. USA, 95:14272-7.	ycle Inhibitor Isolated from a Combinatorial Library," Proc. Natl.				
	C226	Connor et al., (2004), "Ex vivo Evaluation Immunotherapy, 27:211-219.	"Ex vivo Evaluation of Anti-EpCAM Immunocytokine huKS-IL2 in Ovarian Cancer," <u>J.</u> 11-219.				
	C227	Desai et al., (1992), "IL-12 Receptor. II. Distribution and Regulation of Receptor Expression," J. Immunol., 148:3125-32.					
	C228	Farner <i>et al.</i> , (1995), "Distinction Between Granulocyte-Macrophage Colony-Stimulat 86:4568-78.	γ _c C Detection and Function in Y ing Factor-Responsive Human My	T Lymphoid Cells and in the veloid Cell Line, Tf-1," <u>Blood</u> ,			
	C229	Gurewich et al., (1988), "Characterization Study of Plasmin-Resistant Mutant Forms 82:1956-1962.					
	C230	Hashimoto et al., (1999), "Differential Ant Recombinant IL-12 are Mediated Primarily Respectively," J. Immunol., 163:583-9.	by Fas-Fas Ligand- and Perforin-	-Induced Tumor Apoptosis,			
	C231	Hori et al., (1987), "Establishment of an In Chronic Lymphocytic Leukemia Who is N 70:1069-72.	terleukin 2-Dependent Human T C ot Infected with Human T Cell Le	Cell Line from a Patient with T Cell ukemia/Lymphoma Virus," Blood,			
EXAM	INER		DATE CONSIDERED				

FORM	PTO - 1	449		ATTORNEY DOCKET NO.: LEX-010C1				
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EXAM. INIT.	ОТНЕІ	R DOCUMENTS: (Including Author, Title, I	Date,	Relevant Pages, Place of Publica	tion)			
	C232	Karpusas <i>et al.</i> , (1997), "The Crystal StruUSA, 94:11813-11818.	uctu	re of Human Interferon β at 2.2-	-A Resolution," Proc. Natl. Acad. Sci.			
	C233	Kelner et al., (1994), "Lymphotactin: A (266:1395-9.	Cyto	kine that Represents a New Cla	ss of Chemokine," <u>Science</u> ,			
	C234	Kirkman <i>et al.</i> , (1989), "Prolongation of Diphtheria Toxin-Related Interleukin-2 F		_				
	C235	Lawn et al., (1981), "DNA Sequence of a 78:5435-9.	a Ma	ajor Human Leukocyte Interfero	on Gene," Proc. Natl. Acad. Sci. USA,			
	C236	Lode et al., (1998), "Gene Therapy with Protective Immunity in a Syngeneic Mod						
· · ·	C237	Lotze et al., (1996), "Cytokine Gene The NY Acad. Sci., 795:440-54.	erapy	of Cancer Using Interleukin-1	2: Murine and Clinical Trials," Ann.			
	C238		Effect of Theratope STn-KLH Cancer Vaccine in Patients with Metastatic v-Dose Intravenous Cyclophosphamide," J. Immunother., 19(4):309-316.					
•	C239	Maghazachi et al., (1997), "Interferon-Inducible Protein-10 and Lymphotactin Induce the Chemotaxis and Mobilization of Intracellular Calcium in Natural Killer Cells through Pertussis Toxin-Sensitive and -Insensitive Heterotrimeric G-Proteins," FASEB J., 11:765-74.						
	C240	McMahan et al., (1991), "A Novel IL-1 Receptor, Cloned From B-Cells by Mammalian Expression is Expressed in Many Cell Types," EMBO J., 10:2821-32.						
	C241	Mehrotra et al., (1993), "Effects of IL-12 Lymphocytes," J. Immunol., 151:2444-5	2 on 2.	the Generation of Cytotoxic Ac	tivity in Human CD8+ T			
	C242	Miyake et al., (1988), "Synthesis of Reco Variants Resistant to Plasmin and Throm			kinase-Type Plasminogen Activator			
	C243	Mueller et al., (1990), "Enhancement of Antibody," J. Immunology, 144(4):1382		Antibody-Dependent Cytotoxicity With A Chimeric Anti-GD2 1386				
	C244	Mullins et al., (1998), "Interleukin-12 O Immunopharmacol. Immunotoxicol., 20(pression of T-Cell Proliferation,"			
	C245	Nastala et al., (1994), "Recombinant IL- Production," J. Immunol., 153:1697-706		Administration Induces Tumor F	Regression in Association with IFN-y			
EXAM	INER			DATE CONSIDERED				

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	C246	Nelles et al., (1987), "Characterization of R Activtor Mutants Produced by Site-Specific		**				
	C247	Palucka et al., (1998), "Dendritic Cells as ti 160:4587-95.	ne Terminal Stage of Monocyte D	ifferentiation," <u>J. Immunol.</u> ,				
	C248	Perussia <i>et al.</i> , (1992), "Natural Killer (NK Proliferation of TCR-αβ+, TCR-γδ+ T Lym	·					
	C249	Radhakrishnan et al., (1996), "Zinc Mediat Crystallography," Structure 4(12):1453-63.		b Revealed by X-Ray				
	C250	Robinson et al., (1998), "Optimizing the Stability of Single-Chain Proteins by Linker Length and Composition Mutagenesis," Proc. Natl. Acad. Sci. USA, 95:5929-34.						
	sylated and Non-Glycosylated Forms							
	C252	tilis, Saccharomyces cerevisiae, a Review of the Considerable Within-						
	C253	Taniguchi et al., (1980), "Expression of the Human Fibroblast Interferon Gene in Escherichia Coli," Proc. Natl. Acad. Sci. USA, 77:5230-5233.						
	C254	Thurner, (1999), "Generation of Large Nur Products for Clinical Application," <u>J. Immu</u>		Dendritic Cells from Leukapheresis				
	C255	Tiruppathi et al., (1996), "Isolation and Ch Vascular Endothelial Cells," <u>Proc. Nat. Aca</u>		bumin-Binding Protein from				
	C256	Voest et al., (1995), "Inhibition of Angioge	nesis in Vivo by Interleukin 12,"	J. Natl. Canc. Inst., 87:581-6.				
	C257	Weitkamp et al., (1973), "Additional Data of New Variants," Ann. Hum. Genet., 37:219-	Required for Interferon-γ Production and Lethality in					
	C258	Wysocka et al., (1995), "Interleukin-12 is R Lipopolysaccharide-Induced Shock in Mice						
	C259	Yeh et al., (1992), "Design of Yeast-Secret Properties of a Serum Albumin-CD4 Genet						
EXAMI	NER		DATE CONSIDERED					